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FILING DATE: December 30, 2003

TITLE: Diagnostic Indicator Of Thymic Function

DOCKET NO.: NOR-015CP2/286336.154

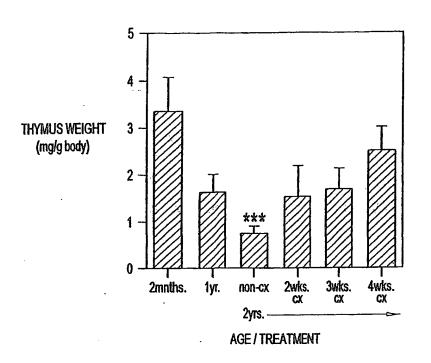


Figure 1A

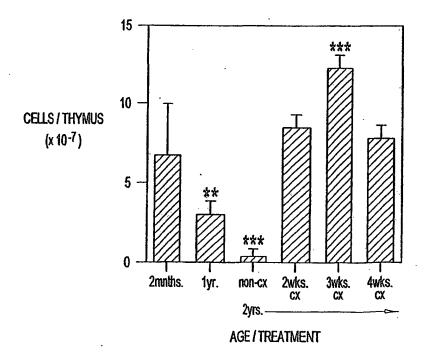


Figure 1B

Boyd TBD APPLICANT: APPLN. NO.:

FILING DATE: December 30, 2003

TITLE: Diagnostic Indicator Of Thymic Function DOCKET NO.: NOR-015CP2/286336.154

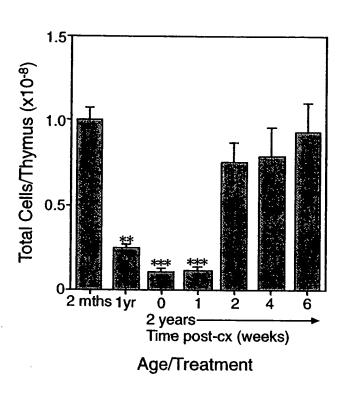


FIGURE 1 C

FILING DATE: December 30, 2003

Diagnostic Indicator Of Thymic Function

TITLE: Diagnostic Indicator Of The DOCKET NO.: NOR-015CP2/286336.154

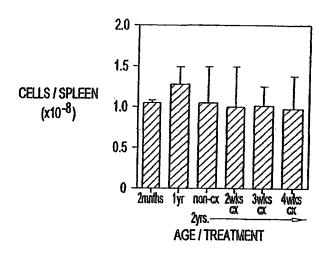
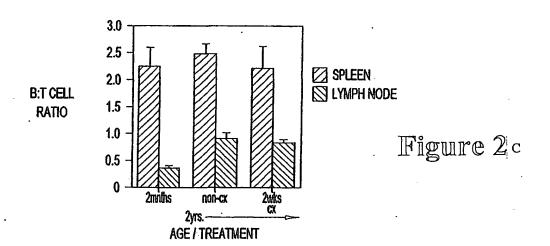
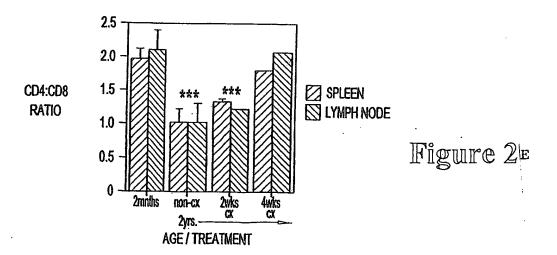


Figure 2A



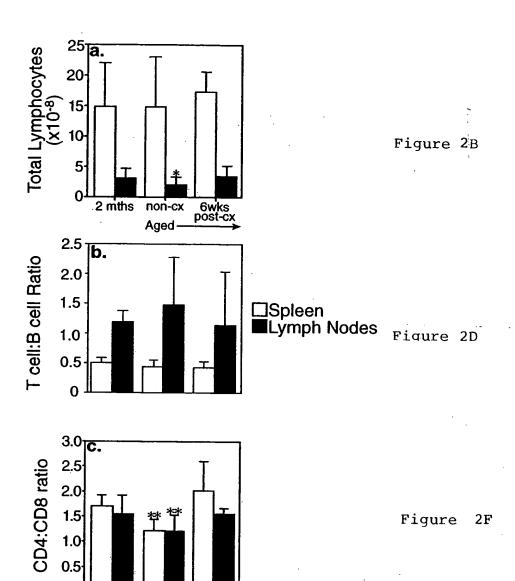


FILING DATE: December 30, 2003

FITLE: Diagnostic Indicator Of Thymic Function

DOCKET NO.: NOR-015CP2/286336.154

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Age/Treatment

non-cx Aged –

2 miths

6wks post-cx

APPLICANT: Boyd TBD APPLN. NO.:

FILING DATE: December 30, 2003

TITLE: Diagnostic Indicator Of Thymic Function DOCKET NO.: NOR-015CP2/286336.154

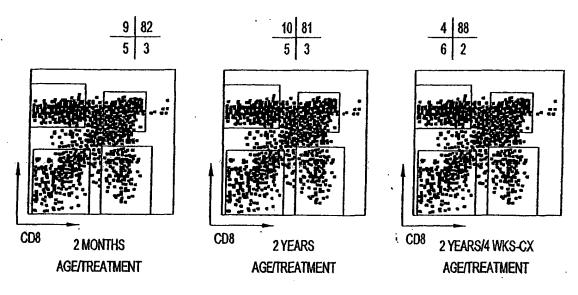


Figure 3

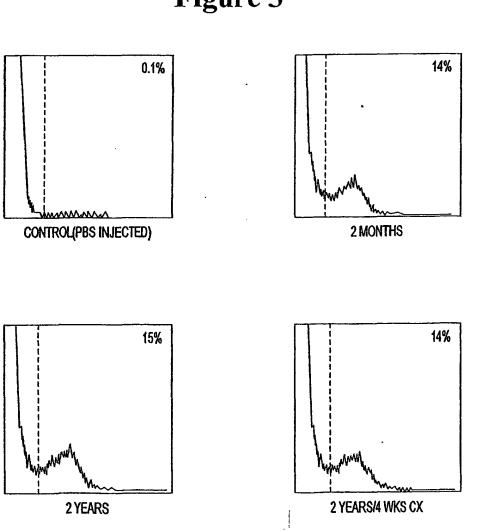


Figure 4A

Boyd APPLICANT: TBĎ APPLN. NO.:

FILING DATE: December 30, 2003

TITLE: Diagnostic Indicator Of Thymic Function DOCKET NO.: NOR-015CP2/286336.154

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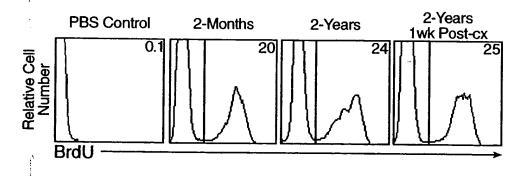
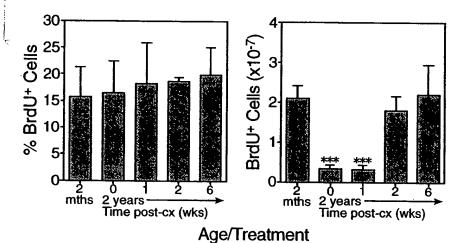
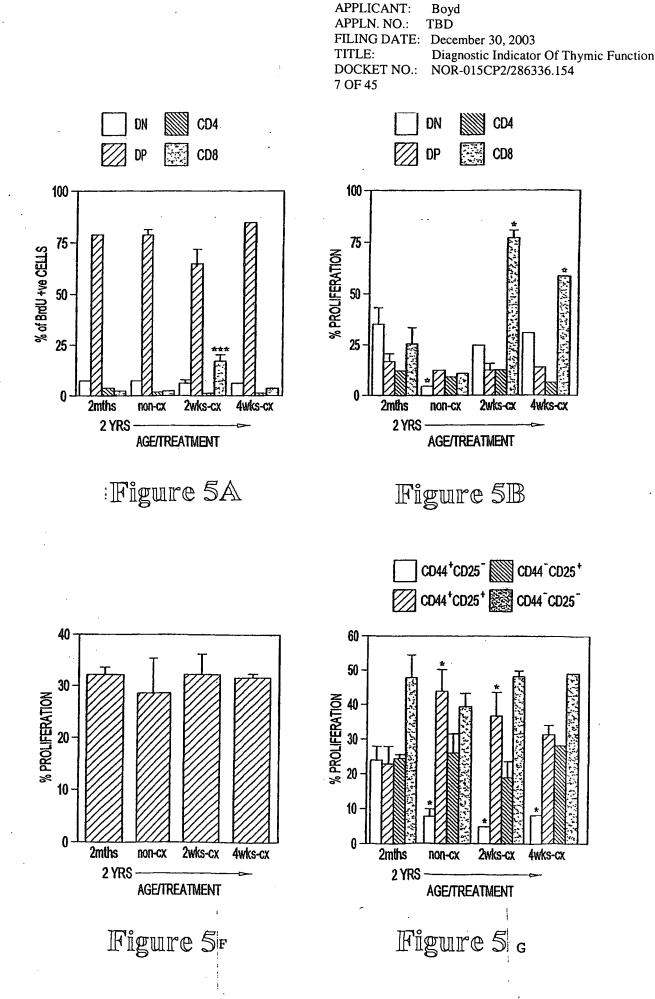


Figure 4C

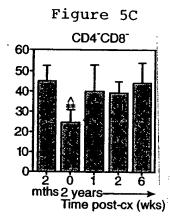


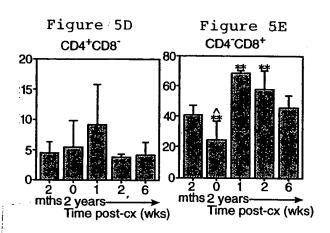


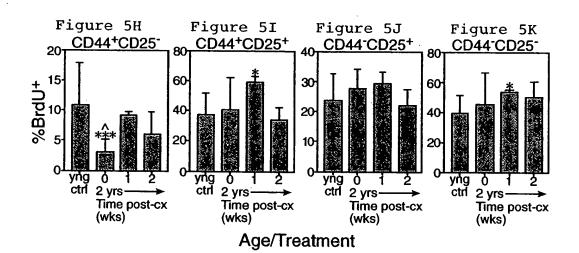
FILING DATE: December 30, 2003 TITLE:

Diagnostic Indicator Of Thymic Function DOCKET NO.: NOR-015CP2/286336.154









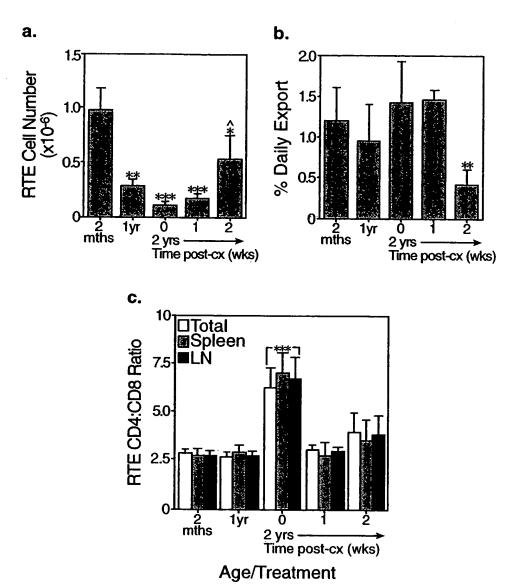
APPLICANT: Boyd TBD APPLN. NO.:

FILING DATE: December 30, 2003

TITLE: Diagnostic Indicator Of Thymic Function

DOCKET NO.: NOR-015CP2/286336.154

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÷

FIGURE 6.

FILING DATE: December 30, 2003

Diagnostic Indicator Of Thymic Function TITLE: DOCKET NO.: NOR-015CP2/286336.154

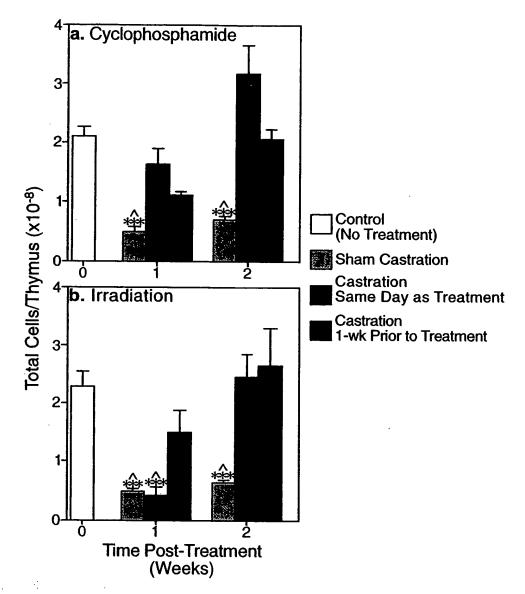


FIGURE 7.

FILING DATE: December 30, 2003

Diagnostic Indicator Of Thymic Function

DOCKET NO.: NOR-015CP2/286336.154

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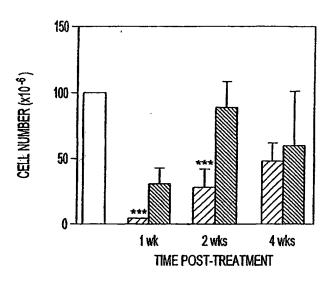
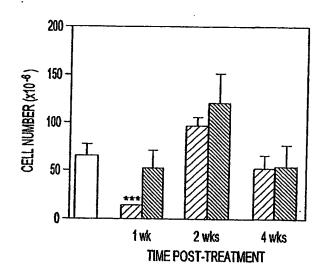


Figure 8A



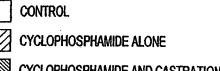




Figure 8B

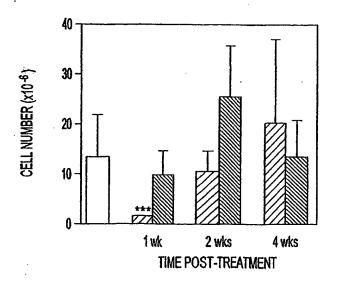


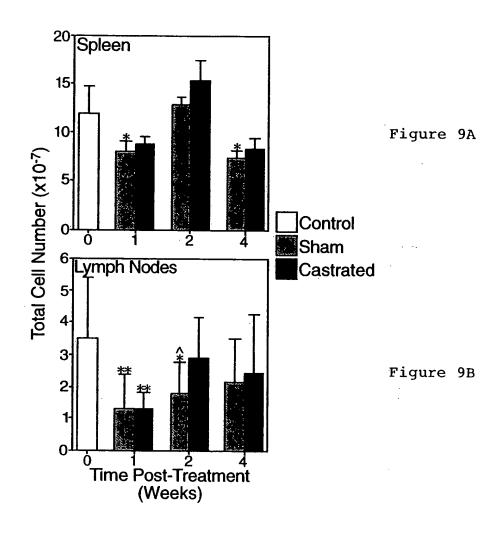
Figure 8

Boyd APPLICANT: TBD APPLN. NO.:

FILING DATE: December 30, 2003

Diagnostic Indicator Of Thymic Function TITLE:

DOCKET NO.: NOR-015CP2/286336.154



FILING DATE: December 30, 2003

TITLE: Diagnostic Indicator Of Thymic Function DOCKET NO.: NOR-015CP2/286336.154

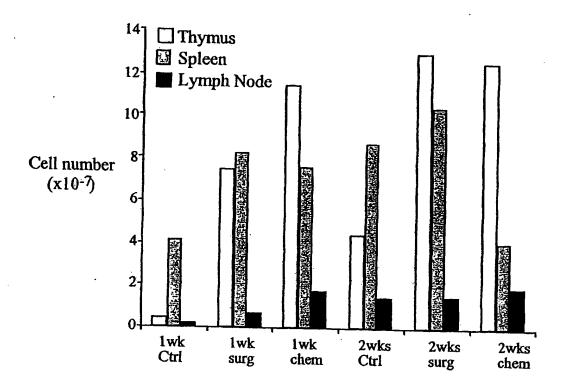


Figure 10

Boyd APPLICANT: **TBD** APPLN. NO.: FILING DATE: December 30, 2003

Diagnostic Indicator Of Thymic Function TITLE: DOCKET NO.: NOR-015CP2/286336.154

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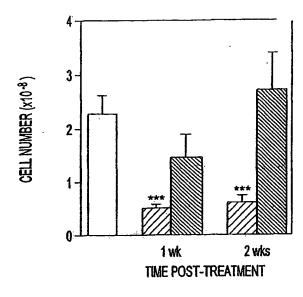
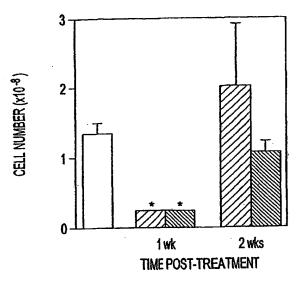


Figure 11A



CONTROL

IRRADIATION ALONE

CASTRATION/IRRADIATION one week prior to treatment

Figure 11B

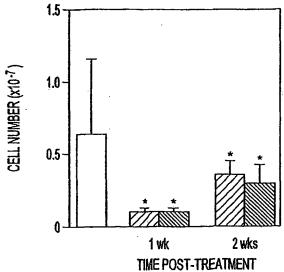
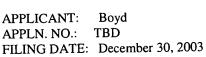


Figure 11c



TLE: Diagnostic Indicator Of Thymic Function

DOCKET NO.: NOR-015CP2/286336.154

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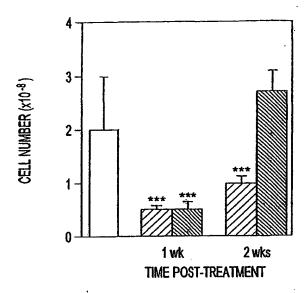
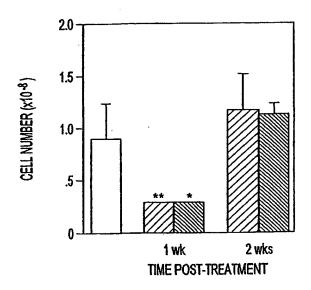


Figure 12A



CONTROL IRRADIATION ALONE

CASTRATION/IRRADIATION (SAME DAY)

Figure 12B

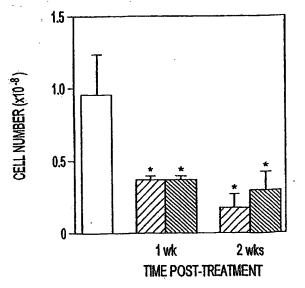


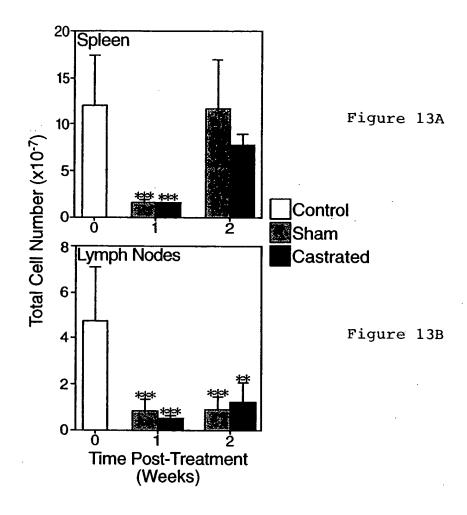
Figure 12C

APPLICANT: Boyd TBD APPLN. NO.:

FILING DATE: December 30, 2003

Diagnostic Indicator Of Thymic Function DOCKET NO.: NOR-015CP2/286336.154



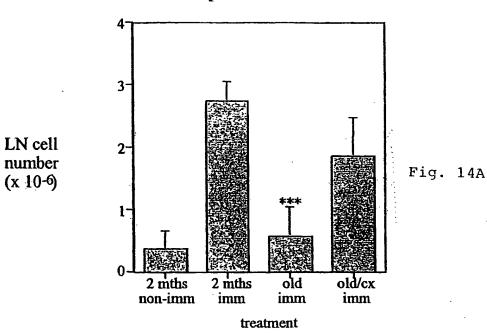


FILING DATE: December 30, 2003

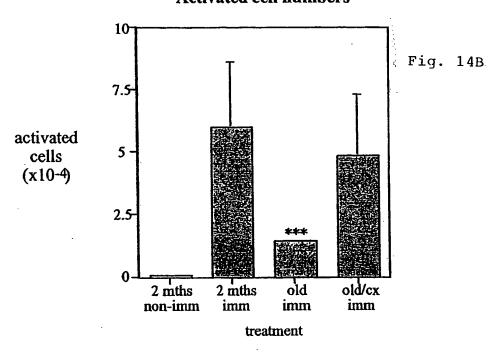
TITLE: Diagnostic Indicator Of Thymic

DOCKET NO.: NOR-015CP2/286336.154

LN size post-HSV inoculation 17 OF 45



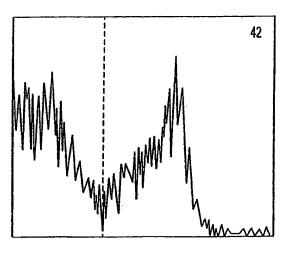
Activated cell numbers



FILING DATE: December 30, 2003

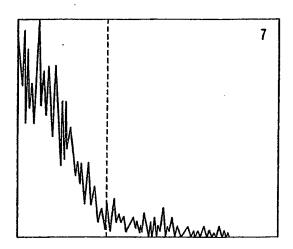
TITLE: Diagnostic Indicator Of Thymic Function DOCKET NO.: NOR-015CP2/286336.154

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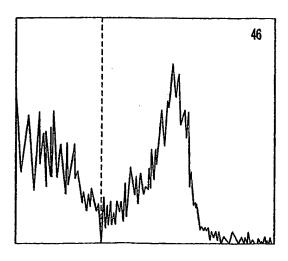
2 MONTHS

Figure 15A



18 MONTHS

Figure 15B



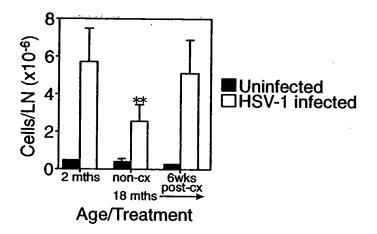
18 MONTHS **CASTRATED**

Figure 15c

FILING DATE: December 30, 2003

Diagnostic Indicator Of Thymic Function TITLE:

DOCKET NO.: NOR-015CP2/286336.154



Boyd APPLICANT: TBD APPLN. NO.:

FILING DATE: December 30, 2003

Diagnostic Indicator Of Thymic Function TITLE:

DOCKET NO.: NOR-015CP2/286336.154

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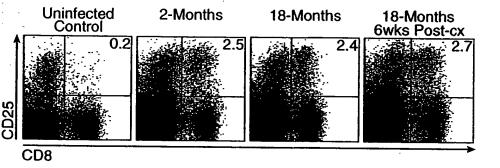


Figure 17A

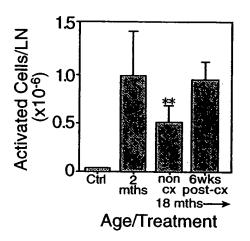


Figure 17B

FILING DATE: December 30, 2003

TLE: Diagnostic Indicator Of Thymic Function

DOCKET NO.: NOR-015CP2/286336.154

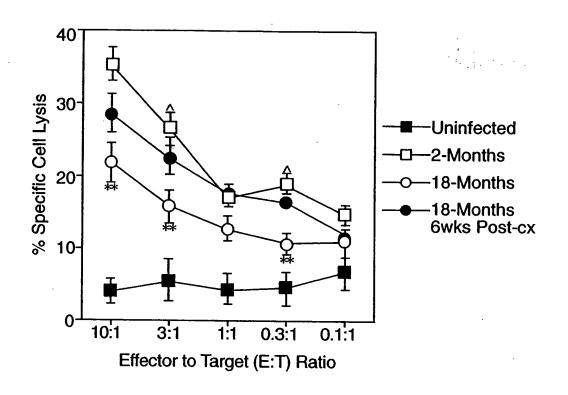
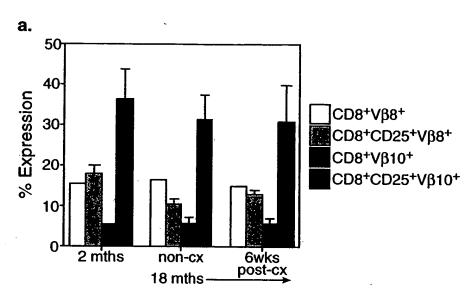


FIGURE 18

FILING DATE: December 30, 2003

TITLE: Diagnostic Indicator Of Thymic Function DOCKET NO.: NOR-015CP2/286336.154



Age/Treatment

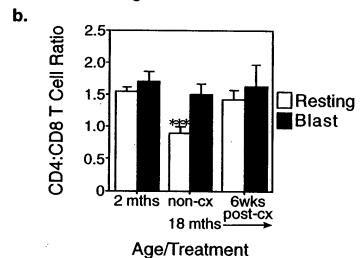


FIGURE 19

FILING DATE: December 30, 2003

Diagnostic Indicator Of Thymic Function

DOCKET NO.: NOR-015CP2/286336.154

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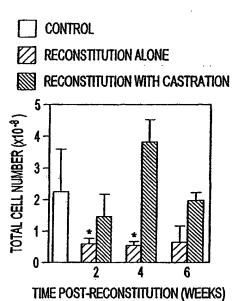


Figure 20A

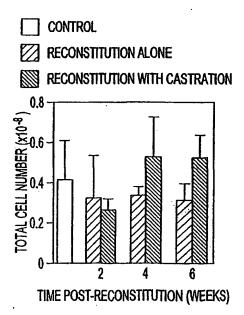


Figure 200

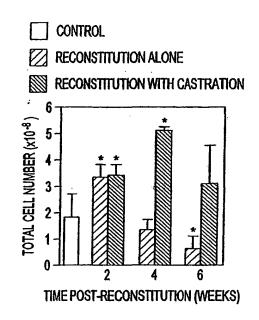


Figure 20B

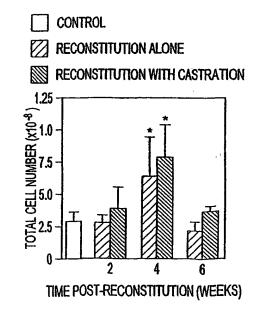


Figure 20D

FILING DATE: December 30, 2003

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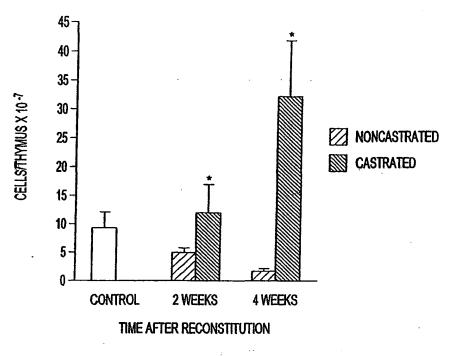


Figure 21A

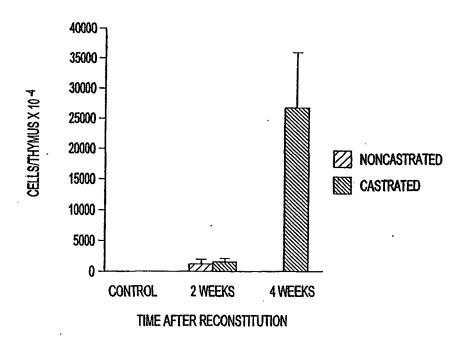


Figure 21B

FILING DATE: December 30, 2003

TITLE: Diagnostic Indicator Of Thymic Function DOCKET NO.: NOR-015CP2/286336.154

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AGE MATCHED



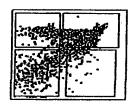
NON-CASTRATED

CASTRATED

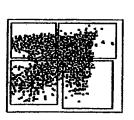
2 WEEKS POST RECONSTITUTION



용



4 WEEKS POST RECONSTITUTION



CD8

FILING DATE: December 30, 2003

ITLE: Diagnostic Indicator Of Thymic Function

DOCKET NO.: NOR-015CP2/286336.154

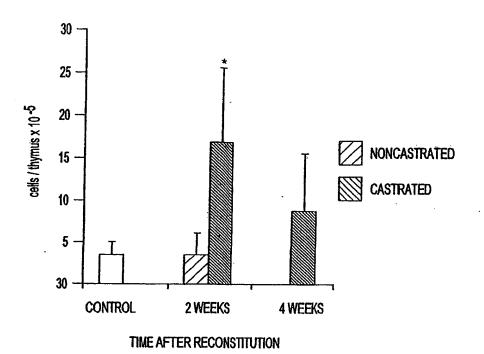


Figure 23A

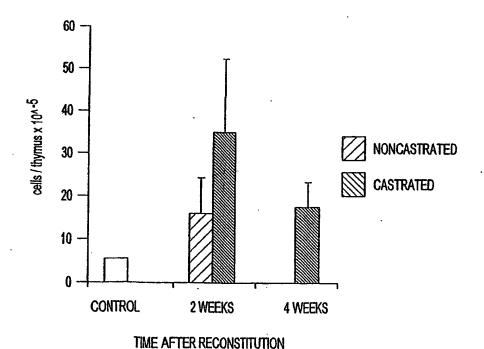
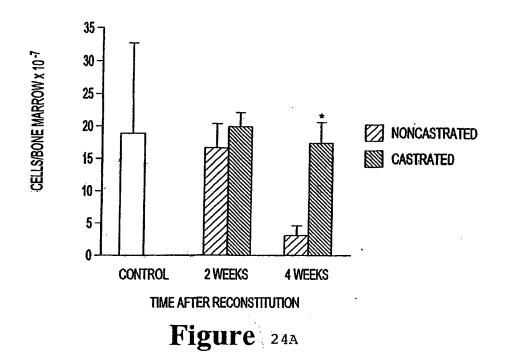


Figure 23B

FILING DATE: December 30, 2003

TITLE: Diagnostic Indicator Of Thymic Function

DOCKET NO.: NOR-015CP2/286336.154



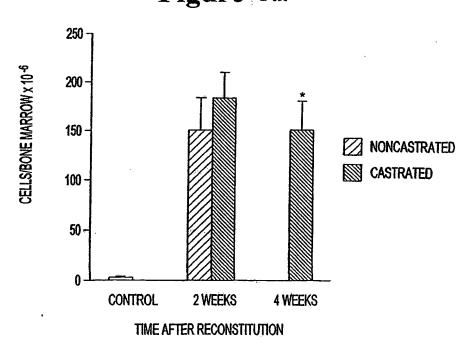


Figure 24B

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Diagnostic Indicator Of Thymic Function

DOCKET NO.: NOR-015CP2/286336.154

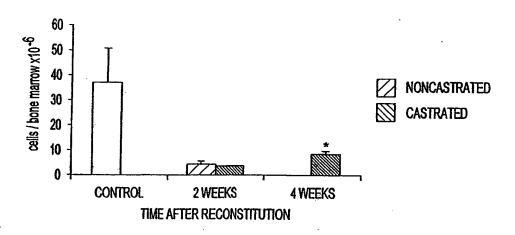


Figure 25A

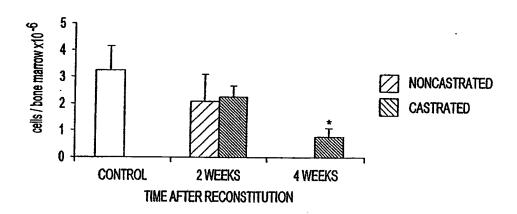


Figure 25B

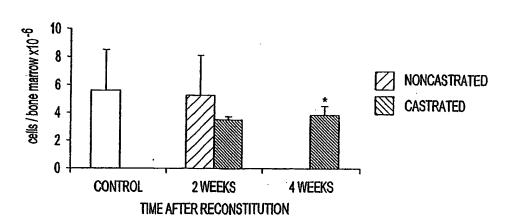


Figure 250

FILING DATE: December 30, 2003

TITLE: Diagnostic Indicator Of Thymic Function

DOCKET NO.: NOR-015CP2/286336.154

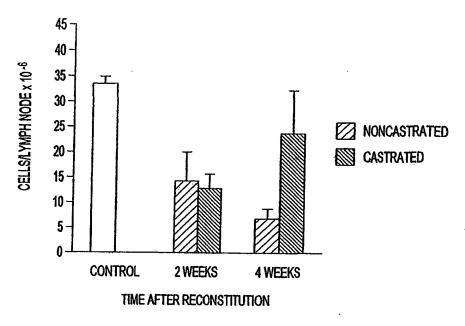


Figure 26A

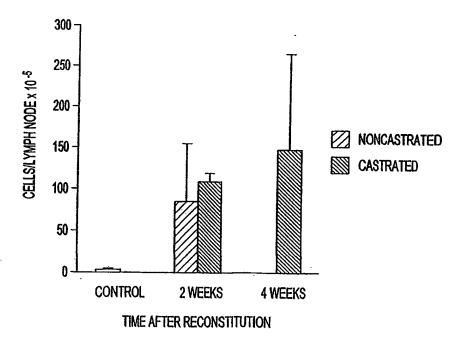


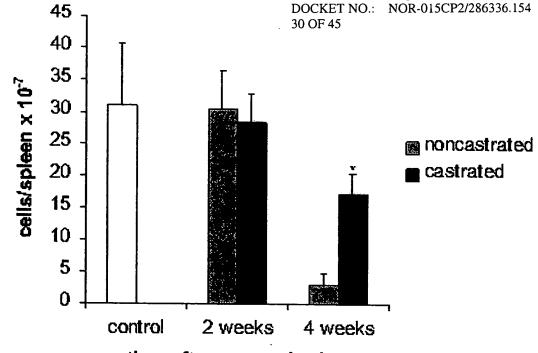
Figure 26B

FILING DATE: December 30, 2003 TITLE:

Diagnostic Indicator Of Thymic Function

DOCKET NO.: NOR-015CP2/286336.154







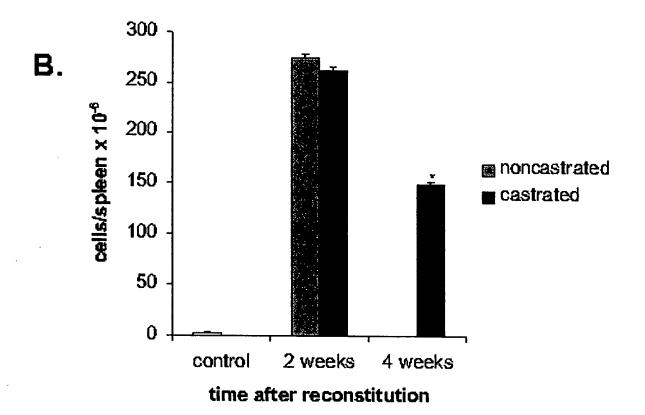


FIGURE 27.

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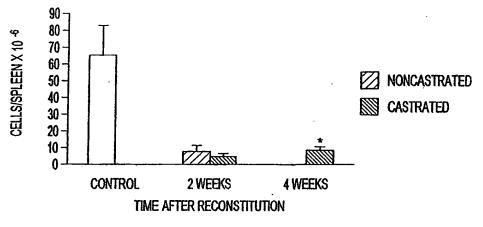


Figure 28A

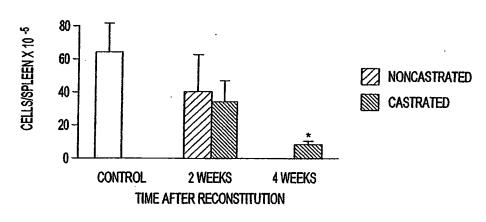


Figure 28B

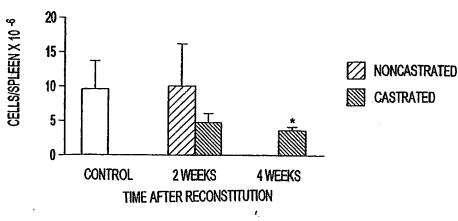


Figure 280

Boyd APPLICANT: **TBD** APPLN. NO.:

FILING DATE: December 30, 2003

Diagnostic Indicator Of Thymic Function

DOCKET NO.: NOR-015CP2/286336.154

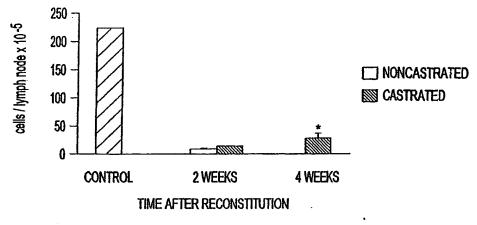


Figure 29A

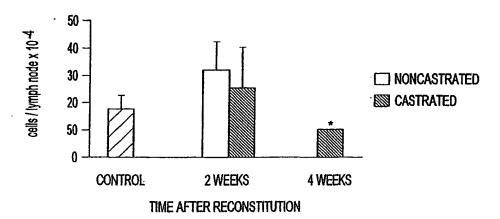
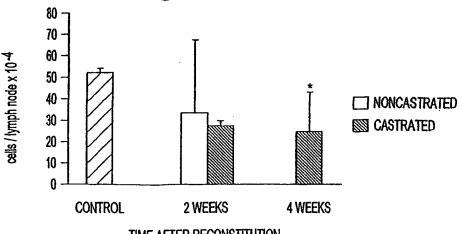


Figure 29B



TIME AFTER RECONSTITUTION

Figure 290

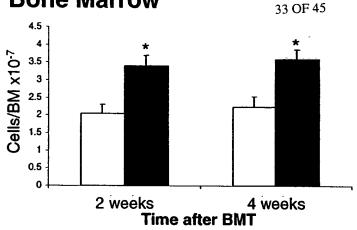
APPLICANT: Boyd TBD APPLN. NO.:

FILING DATE: December 30, 2003

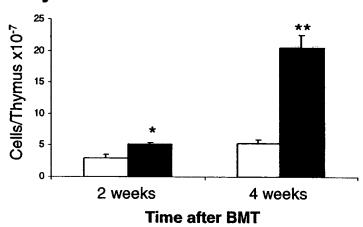
Diagnostic Indicator Of Thymic Function TITLE:

DOCKET NO.: NOR-015CP2/286336.154





B. **Thymus**



Spleen

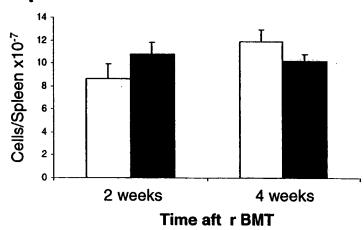


Figure 30

FILING DATE: December 30, 2003

TITLE: Diagnostic Indicator Of Thymic Function

DOCKET NO.: NOR-015CP2/286336.154

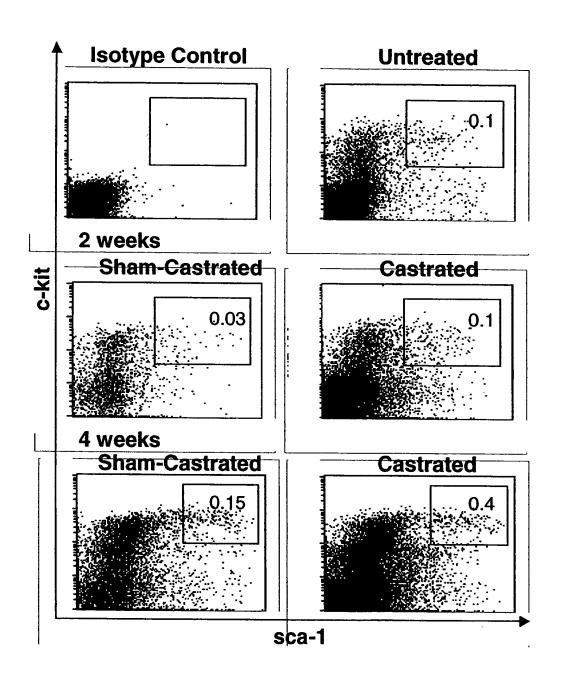


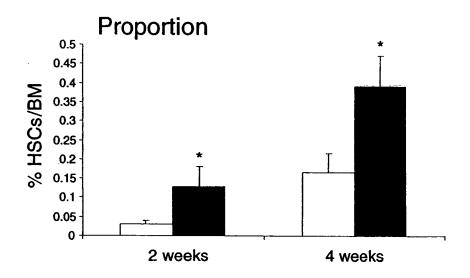
Figure 31

FILING DATE: December 30, 2003

TITLE: Diagnostic Indicator Of Thymic Function DOCKET NO.: NOR-015CP2/286336.154







B.

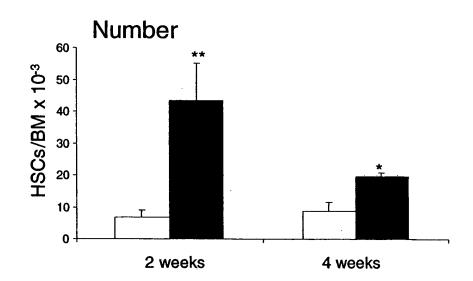


Figure 32

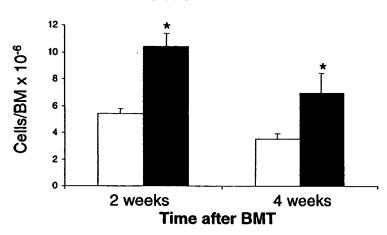
FILING DATE: December 30, 2003

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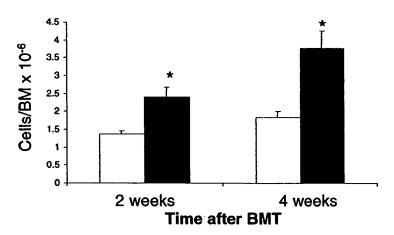
DOCKET NO.: NOR-015CP2/286336.154

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A. B Cell Precursors



B. B Cells



APPLICANT: Boyd TBD APPLN. NO.:

FILING DATE: December 30, 2003 TITLE:

Diagnostic Indicator Of Thymic Function DOCKET NO.: NOR-015CP2/286336.154

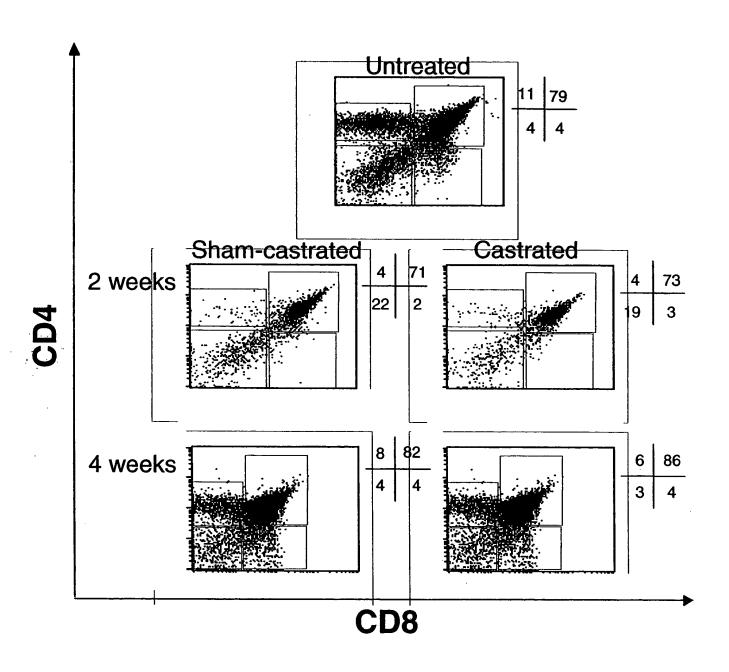


Figure 34

FILING DATE: December 30, 2003

TITLE: Diagnostic Indicator Of Thymic Function

DOCKET NO.: NOR-015CP2/286336.154

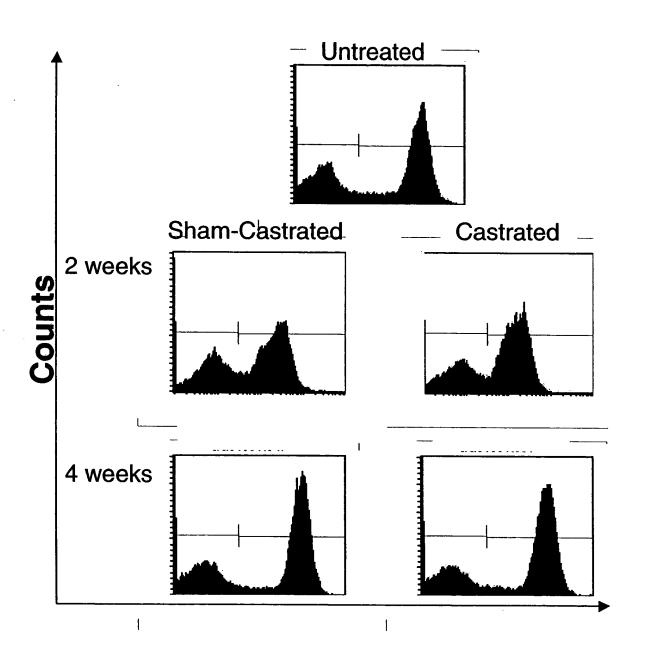


Figure 35

FILING DATE: December 30, 2003

TITLE: Diagnostic Indicator Of Thymic Function DOCKET NO.: NOR-015CP2/286336.154

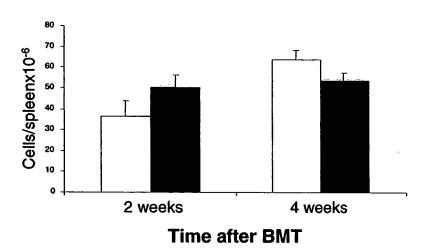
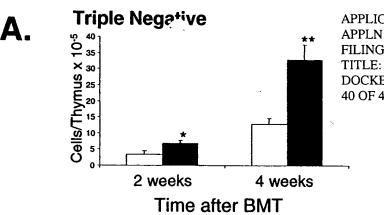


Figure 36

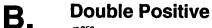


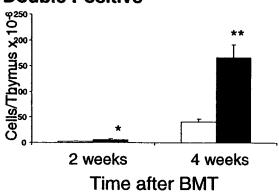
FILING DATE: December 30, 2003

Diagnostic Indicator Of Thymic Function

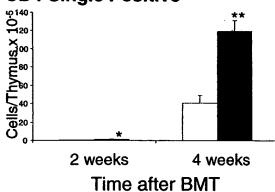
DOCKET NO.: NOR-015CP2/286336.154

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CD4 Single Positive



D. **CD8 Single Positive**

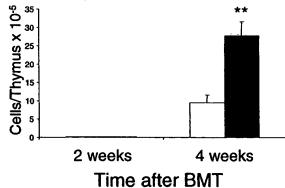


Figure 37

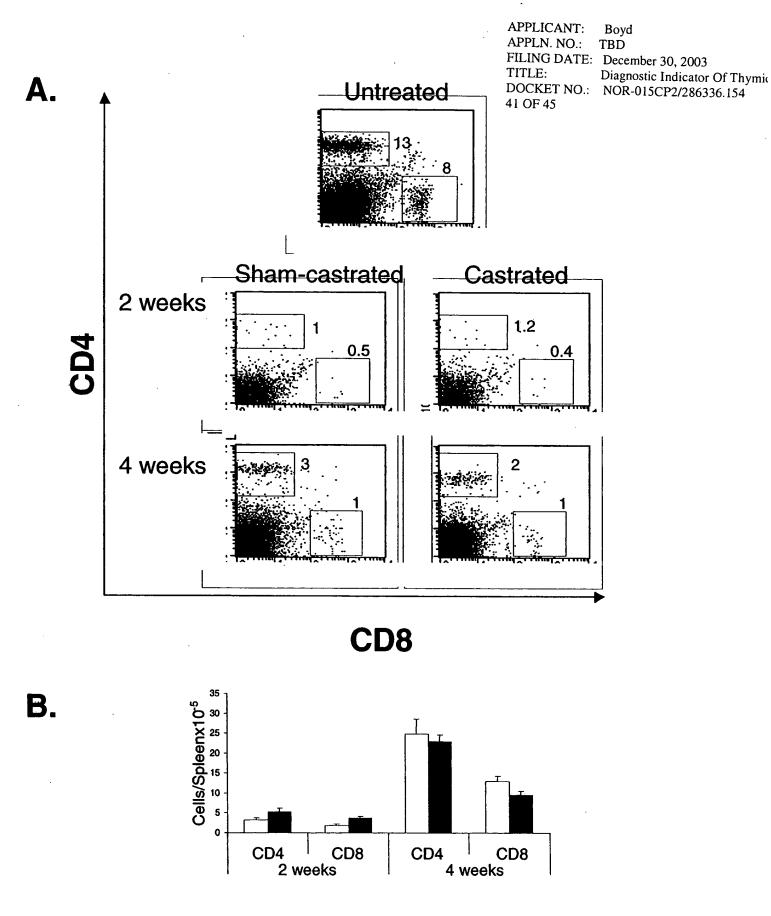
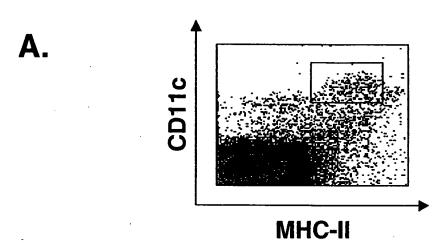


Figure 38

FILING DATE: December 30, 2003

TITLE: Diagnostic Indicator Of Thymic Function

DOCKET NO.: NOR-015CP2/286336.154



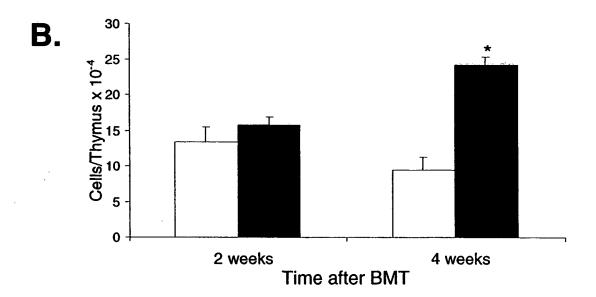
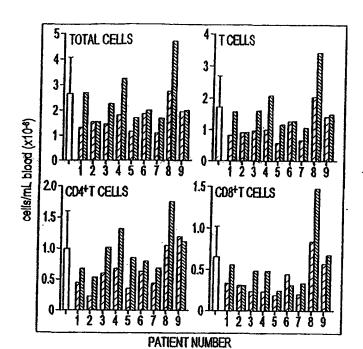


Figure 39

FILING DATE: December 30, 2003

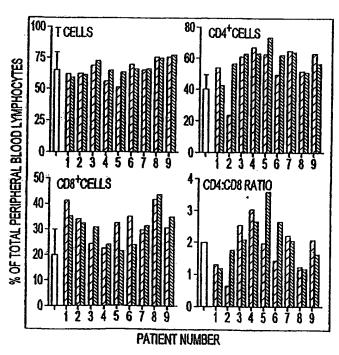
TITLE: Diagnostic Indicator Of Thymic Function DOCKET NO.: NOR-015CP2/286336.154

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□ CONTROL ☑ PRE-LHRH-A TREATMENT 🔯 4 MONTHS OF LHRH-A TREATMENT

Figure 40



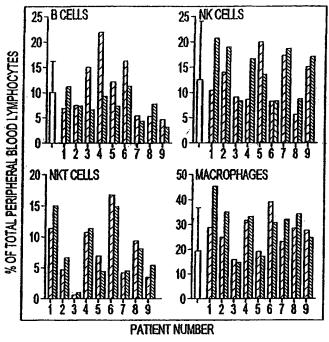
□ CONTROL ☑ PRE-LHRH-A TREATMENT 🖾 4 MONTHS OF LHRH-A TREATMENT

FILING DATE: December 30, 2003

Diagnostic Indicator Of Thymic Function TITLE:

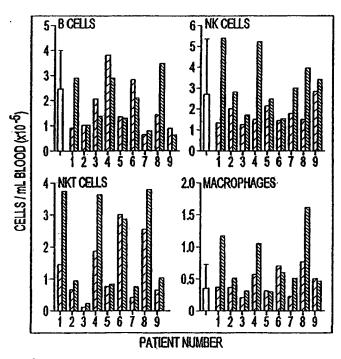
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☐ CONTROL ☐ PRE-LHRH-A TREATMENT ☐ 4 MONTHS OF LHRH-A TREATMENT

Figure 42



☐ CONTROL ☐ PRE-LHRH-A TREATMENT ☐ 4 MONTHS OF LHRH-A TREATMENT

Figure 43

FILING DATE: December 30, 2003

TITLE: Diagnostic Indicator Of Thymic Function

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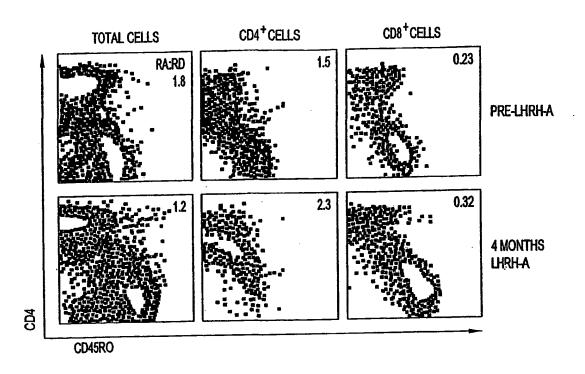
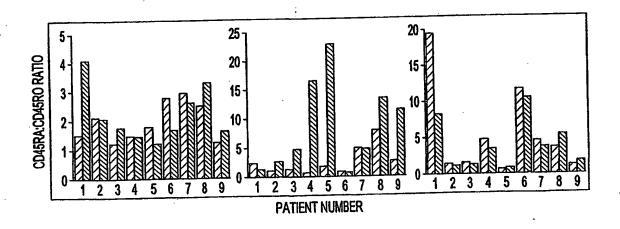


Figure 44A



PRE-TREATMENT

■ 4 MONTHS OF TREATMENT